

What is claimed is:

1. A method for operating a drug database system, said method comprising the steps of:

- (a) providing a database of drug information;
- (b) facilitating selective access to said database by a first user via communication links;
- (c) receiving information from said at least one first user upon access; and
- (d) supplying drug output information in response to said received information.

2. The method according to Claim 1, wherein said step of supplying drug output information supplies said information to said first user.

3. The method according to Claim 1, wherein said first user is in a group including other users and said step of supplying drug output information supplies said information to one other user in said group that is associated with said first user.

4. The method according to Claim 1, wherein said facilitating, receiving and supplying steps are performed in real time.

5. The method according to Claim 1, wherein said first user is a physician.

6. The method according to Claim 1, wherein said first user is a pharmacist.

7. The method according to Claim 1, wherein said first user is a nurse.

8. The method according to Claim 1, wherein said first user is a patient.

9. The method according to Claim 1, further comprising the step of facilitating selective access to said database by a second user, said selective access permitting said second user to modify the drug information stored in said database.

10. The method according to Claim 9, wherein said step of facilitating selective access to said database by a second user is done in real time.

11. The method according to Claim 9, wherein said second user is a drug manufacturer.

12. The method according to Claim 9, wherein said second user is a drug researcher.

13. The method according to Claim 1, wherein said received information includes a drug name.

14. The method according to Claim 1, wherein said received information includes a name of a medical malady.

15. The method according to Claim 1, wherein said received information includes information about certain drugs and the output information includes information about adverse side effects of taking said certain drugs.

16. A method for providing patient specific drug, dosing, drug interaction analysis and order generation comprising the steps of:

- (a) providing a drug management program executed by a computer system;
- (b) providing a plurality of communicating links for connecting users via a communication device to said system;

- (c) accessing said drug management program by a first user to enter adverse drug affects information; and
- (d) accessing said drug management program by a second user to enter patient drug dosing information;

wherein said first and second accessing steps are order independent.

17. The method according to Claim 16, further including the step of interacting said first user with said second user in real time to update drug information on said drug management program wherein said first user is a pharmacist and said second user is a physician.

18. The method according to Claim 16, further including the step of interacting said first user with said second user in real time to update drug information on said drug management program wherein said first user is a drug company and said second user is a physician.

19. The method according to Claim 16, further including the step of requesting adverse drug information on said drug management program by said first user with said second user in real time wherein said first user is a pharmacist and said second user is a drug company.

20. The method according to Claim 16, further including the step of accessing a patient data matching database for matching patients to specific drug therapies of other patients in the same disease or medical condition class.

21. The method according to Claim 20, further including the step of interacting multiple users in real time to generate patient matching.

22. The method according to Claim 16, further including a step of interacting in real time multiple users to update patient or drug information.

23. The method according to Claim 16, further including a step of linking a formulary of medications approved by a third-party payer to a physician.

24. The method according to Claim 23, said linking step further includes interacting said physician in real time with said third-party payer wherein said physician can request approval of payment for medication.

25. The method according to Claim 16, further including a step of accessing said drug management program for drug information on a medication wherein said user selects a drug and said a drug management program provides said user with an advisory guideline and therapies for said drug.

26. The method according to Claim 25, further including a step of continually updating guidelines and therapies for said drug.

27. The method according to Claim 16, further including the step of effecting physician requested drug order in real time to a pharmacist.

28. The method according to Claim 16, further including a step of linking a physician to a healthcare unit wherein said physician orders x-rays or laboratory tests for a patient.

29. The method according to Claim 16, wherein the communication device communications through an electronic communication network

30. The method according to Claim 16, wherein the electronic communication network is selected from the group consisting of the internet, telephone, satellite, cellular switch, cable, computer, optical or wireless.

31. The method according to Claim 16, wherein the electronic communication network is a telephone communication network.

32. The method according to Claim 16, wherein the telephonic communication device is a touch tone phone.

33. The method according to Claim 16, wherein the telephonic communication device is a videophone.

34. A method according to Claim 16, wherein the electronic communication device includes a wireless short message service message, and the wireless short message service is configured to respond to receipt of medical data for a patient by forwarding a message to a wireless receiver corresponding to the medical data for a patient.

35. The method according to Claim 16, further includes step of checking drug dosage.

36. A pharmaceutical drug management care system for providing a patient specific drug, dosing, drug interaction analysis and order generation said system comprising:

- (a) at least one communication device;
- (b) at least one communication link; and
- (c) a computer having a processor, a database and adapted by patient drug dosing software to include:
 - (i) at least one data entry engine;
 - (ii) an order generator;
 - (iii) a kinetic drug doser; and
 - (iv) a database retrieval and recording engine.

37. The system according to Claim 36, further including a therapy coordination engine.

38. The system according to Claim 36, further including a means of updating
5 the system with a back up remoter version of web-based medication management system when the internet is down wherein said system is updated with information from the local version of the medication management system on the computer.

39. The system according to Claim 36, further comprising:

- (a) a drug management program executed by a computer system;
- (b) a plurality of communicating links for connecting users via a communication device to said system;
- (c) a means for accessing said drug management program by a first user to enter adverse drug affects information; and
- (d) a means for accessing said drug management program by a second user to enter patient drug dosing information;

wherein said first and second accessing steps are order independent.

40. The system according to Claim 36, further comprising a means for interacting multiple users in real time to update drug information.

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41. The system according to Claim 36, further comprising a means for requesting adverse drug information by multiple users.

42. The system according to Claim 36, further comprises a server processor
15 wherein said processor is a gateway function that provides the users access to an environment.

43. The system according to Claim 42, wherein the gateway function is a Web server.

44. The system according to Claim 42, wherein the users consist of physicians,
5 pharmacists, patients, healthcare provider or drug companies.

45. The system according to Claim 42, wherein said environment is a distributed file system service, web-based, cable, or wireless.

46. The system according to Claim 42, wherein said environment uses software or hardware for maintaining a virtual network.

47. The system according to Claim 36, further comprising a means for accessing a patient data matching database for matching patients to specific drug therapies of other patients in the same disease or medical condition class.

48. The system according to Claim 36, further comprising a means for linking a formulary of medications approved by a third-party payer to a physician.

49. The system according to Claim 48, further comprising a means for said physician to interact in real time with said third-party payer wherein said physician can request approval of payment for medication.

50. The system according to Claim 36, further comprising a means for accessing said pharmaceutical drug management care system for drug information on a medication wherein said user selects a drug and said pharmaceutical drug management care system provides said user with an advisory guideline and therapies for said drug.

51. The system according to Claim 36, further comprising a means for continually updating guidelines and therapies for said drug.

52. The system according to Claim 36, further comprising a means for effecting physician requested drug order in real time to a pharmacist.

53. The system according to Claim 36, further comprising a means for providing links for a physician to order x-rays or laboratory tests for a patient.